

[LH 0415]

OCTOBER 2015

Sub. Code: 2862

**M.Sc., NON – MEDICAL DEGREE COURSES
BRANCH II - BIOSTATISTICS
FIRST YEAR
PAPER II – EPIDEMIOLOGY AND DESIGN OF EXPERIMENTS**

Q.P. Code: 282862

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail various study design.
2. Explain the analysis of Balanced Incomplete Block Design.

II. Write notes on:

(10 x 6 = 60)

1. Define Agent, host, mode of transmission, Incubation period.
2. Explain the types of pedigree diagram.
3. Explain Hardy Weinberg Equilibrium.
4. Explain various types of control with examples.
5. What are the basic concepts of human genetics?
6. How is the path analysis applied to Quantitative traits?
7. Explain the analysis of LSD?
8. Explain Balanced Lattice Design with example.
9. Explain Cross over design.
10. Explain Analysis of covariance.
